

Stain Extinguisher

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 29/08/2014

Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
 Trade name : Stain Extinguisher
 Product code : C-190
 Type of product : Aerosol
 Synonyms : Spot Remover - Aerosol, Stain Eliminator - Aerosol
 Product group : Trade product

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Use of the substance/mixture : Carpet and fabric spot cleaning

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer:

Harris Research, Inc.
 1530 North 1000 West
 Logan, UT 84321 USA
 1-435-755-0099 (For product information)

Supplier:

Harris Research, Inc.
 1530 North 1000 West
 Logan, UT 84321 USA
 1-435-755-0099
 1-800-424-9300
 1-703-527-3887

Denmark, Norway, Sweden
 Chem-Dry Nordic Aps
 Munkegaardsvej 21
 Kivstgaard, 3490
 45-48-14-44-18
 th@chemdry.dk

Chem-Dry France
 Parc d'activites "Le Prieure"
 RuePaulin Viry
 37530 Poce-sur-Cisse
 +33 761 8906 79
 a.baba@chemdry-france.fr

Chem-Dry of Ireland LTD
 Unit 30 Tolka Valley Business Park
 Ballyboggan Road, Glasnevin
 Dublin, DN011
 353 1 830 3940
 john@chemdry.ie

Chem-Dry Luxembourg S.A.
 Rue De La Continentale
 Zac Zaemer
 Bascharage, L-4917
 652 26 35 00 20
 info@chemdry.lu

Netherlands, Belgium, Germany
 Chem-Dry Netherlands BV
 Vijfhuizenberg 127
 Roosendaal, 4708 AJ
 31(0)165-570 610
 info@chemdry.nl

Portugal/Angola
 Ambiclean-Limpeza De Alcatifas, LDA
 Rua Samaora Machel N 3-D
 Urbanizacao Alto Da Eira
 Sta Iria Da Azoia, 2695-395
 351 21 953 00 33
 info@chemdryportugal.com

Switzerland/Lichtenstein
 Chem-Dry Switzerland
 Kellerhofstrasse 11
 Elgg, 8353
 (41)523643031
liz.prohaska@procamed.ch

UK/England/Scotland/Wales
 Chem-Dry® Franchising Ltd.
 Belprin Road
 Beverley, East Yorkshire HU17 0LP
 44 01482 678 645
 e.info@chemdry.co.uk

1.4. Emergency telephone number

Emergency number : Chemtrec (USA only) (800) 424-9300
 Chemtrec (Outside USA) +1 703-527-3887
Europe 112
Austria +43 1 406 43 43
Belgium Poison center (BE): +32 70 245 245
Denmark Poison Control Hotline (DK): +45 82 12 12 12
Finland Poison Information Centre (FI): +358 9 471 977
France ORFILA (FR): + 01 45 42 59 59
Germany Poison Center Berlin (DE): +49 030 30686 790
 Poison Center Nord: +49 551 19240 (24h available English / German)
 National Poisons Information Centre (IE): +353 1 8379964
Ireland
Iceland +354 543 2222

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Italy	Poison Center, Milan (IT): +39 02 6610 1029
Luxembourg	112
Netherlands	National Poisons Information Center (NL): +31 30 274 88 88 (NB: this service is only available to health professionals)
Norway	Poisons Information (NO): +47 22 591300
Portugal	Poison Information Center (PT): +351 21 330 3284
Spain	Poison Information Service (ES): +34 91 562 04 20
Sweden	Poisons Information Center (SV): +46 8 33 12 31
Switzerland	Poison Center: Tel 145; +41 44 251 51 51
United Kingdom	NHS Direct (UK): +44 (0) 845 46 47; 111

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Compressed gas H280

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS04

Signal word (CLP) :

Warning

Hazard statements (CLP) :

H280 - Contains gas under pressure; may explode if heated

Precautionary statements (CLP) :

P410+P403 - Protect from sunlight. Store in a well-ventilated place

EUH phrases :

EUH210 - Safety data sheet available on request

Extra phrases :

Do not spray on a naked flame or any incandescent material
Do not pierce or burn, even after use

2.3. Other hazards

other hazards which do not result in classification

: Pressurized container. On heating there is a risk of bursting due to internal pressure build-up. Contents under pressure.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Propylene glycol monomethyl ether	(CAS No) 107-98-2 (EC no) 203-539-1 (EC index no) 603-064-00-3	1 - 5	R10 R67
Dipropylene glycol monomethyl ether substance with a Community workplace exposure limit substance with national workplace exposure limit(s) (AT, BE, BG, CY, CZ, DE, DK, ES, ET, FI, FR, GB, GI, GR, HU, IE, IT, LT, LV, MT, NL, PL, PT, RO, SE, SK)	(CAS No) 34590-94-8 (EC no) 252-104-2	1 - 5	Not classified
Carbon dioxide	(CAS No) 124-38-9 (EC no) 204-696-9	<1 Propellant	Not classified
Nitrogen	(CAS No) 7727-37-9 (EC no) 231-783-9	Propellant	Not classified

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Propylene glycol monomethyl ether	(CAS No) 107-98-2 (EC no) 203-539-1 (EC index no) 603-064-00-3	1 - 5	Flam. Liq. 3, H226 STOT SE 3, H336

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Dipropylene glycol monomethyl ether substance with a Community workplace exposure limit substance with national workplace exposure limit(s) (AT, BE, BG, CY, CZ, DE, DK, ES, ET, FI, FR, GB, GI, GR, HU, IE, IT, LT, LV, MT, NL, PL, PT, RO, SE, SK)	(CAS No) 34590-94-8 (EC no) 252-104-2	1 - 5	Not classified
Carbon dioxide	(CAS No) 124-38-9 (EC no) 204-696-9	<1 Propellant	Compressed gas, H280
Nitrogen	(CAS No) 7727-37-9 (EC no) 231-783-9	Propellant	Compressed gas, H280

Full text of R- and H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration, by trained personnel. In all cases of doubt, or when symptoms persist, seek medical advice.
First-aid measures after skin contact	: Rinse and then wash skin thoroughly with water and soap. Remove/Take off immediately all contaminated clothing. Seek medical attention if irritation develops.
First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	: Ingestion is not considered a potential route of exposure. If swallowed, rinse mouth with water (only if the person is conscious). Immediately call a POISON CENTER or doctor/physician. Seek medical attention immediately.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation	: Inhalation of mist or aerosol may cause irritation to nose and throat . In high concentrations may cause narcotic effects. Symptoms may include dizziness, headache, nausea and loss of co-ordination. Death in extreme cases.
Symptoms/injuries after skin contact	: Frequent or prolonged contact with skin may cause dermal irritation.
Symptoms/injuries after eye contact	: In fine dispersion/spraying/misting: May cause eye irritation. tearing.
Symptoms/injuries after ingestion	: Ingestion may cause nausea and vomiting.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use dry chemical, foam, carbon dioxide or water fog.

5.2. Special hazards arising from the substance or mixture

Explosion hazard : In closed containers, pressure build up could result in distortion, blowing and in extreme cases bursting of the container.

5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. Evacuate the personnel away from the fumes.
Protective equipment for firefighters	: Do not enter fire area without proper protective equipment, including respiratory protection. Wear a self contained breathing apparatus.
Other information	: Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. Cool closed containers exposed to fire with water spray.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment	: Refer to section 8. Avoid contact with the skin and the eyes.
Emergency procedures	: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Evacuate unnecessary personnel. Ensure adequate ventilation. Ventilate area.

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6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Collect all waste in suitable and labelled containers and dispose according to local legislation.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Keep out of reach of children. Work in a well-ventilated area. Protect eyes from misting or spraying material. Avoid inhaling product mist. Do not spray into eyes. Keep away from heat and direct sunlight. Content under pressure. Do not crush, puncture or incinerate. Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Hygiene measures : Always wash hands and face immediately after handling this product, and once again before leaving the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : A washing facility/water for eye and skin cleaning purposes should be present. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the recommended exposure limits.

Storage conditions : Keep locked up and out of reach of children. Keep only in the original container in a cool well ventilated place. Store away from freezing (avoid freezing during storage). Protect against direct sunlight. Store in dry, cool, well-ventilated area.

Incompatible materials : Strong oxidizing agents. Acids. Bases.

Heat and ignition sources : Store away from direct sunlight or other heat sources.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Propylene glycol monomethyl ether (107-98-2)		
EU	IOELV TWA (mg/m ³)	375 mg/m ³
EU	IOELV TWA (ppm)	100 ppm
EU	IOELV STEL (mg/m ³)	568 mg/m ³
EU	IOELV STEL (ppm)	150 ppm
Austria	MAK (mg/m ³)	187 mg/m ³
Austria	MAK (ppm)	50 ppm
Austria	MAK Short time value (mg/m ³)	187 mg/m ³
Austria	MAK Short time value (ppm)	50 ppm
Austria	OEL - Ceilings (mg/m ³)	187 mg/m ³
Austria	OEL - Ceilings (ppm)	50 ppm
Belgium	Limit value (mg/m ³)	375 mg/m ³
Belgium	Limit value (ppm)	100 ppm
Belgium	Short time value (mg/m ³)	568 mg/m ³
Belgium	Short time value (ppm)	150 ppm
Bulgaria	OEL TWA (mg/m ³)	375.0 mg/m ³
Bulgaria	OEL TWA (ppm)	100 ppm
Bulgaria	OEL STEL (mg/m ³)	568.0 mg/m ³
Bulgaria	OEL STEL (ppm)	150 ppm
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	375 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	100 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m ³)	568 mg/m ³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	150 ppm
Cyprus	OEL TWA (mg/m ³)	375 mg/m ³
Cyprus	OEL TWA (ppm)	100 ppm
Cyprus	OEL STEL (mg/m ³)	568 mg/m ³
Cyprus	OEL STEL (ppm)	150 ppm
Czech Republic	Expoziční limity (PEL) (mg/m ³)	270 mg/m ³

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Propylene glycol monomethyl ether (107-98-2)		
Denmark	Grænseværdie (langvarig) (mg/m ³)	185 mg/m ³
Denmark	Grænseværdie (langvarig) (ppm)	50 ppm
Estonia	OEL TWA (mg/m ³)	375 mg/m ³
Estonia	OEL TWA (ppm)	100 ppm
Estonia	OEL STEL (mg/m ³)	568 mg/m ³
Estonia	OEL STEL (ppm)	150 ppm
Finland	HTP-arvo (8h) (mg/m ³)	370 mg/m ³
Finland	HTP-arvo (8h) (ppm)	100 ppm
Finland	HTP-arvo (15 min)	560 mg/m ³
Finland	HTP-arvo (15 min) (ppm)	150 ppm
France	VME (mg/m ³)	188 mg/m ³ (restrictive limit)
France	VME (ppm)	50 ppm (restrictive limit)
France	VLE (mg/m ³)	375 mg/m ³ (restrictive limit)
France	VLE (ppm)	100 ppm (restrictive limit)
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	370 mg/m ³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	TRGS 900 Occupational exposure limit value (ppm)	100 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	TRGS 903 (BGW)	15 mg/l (Medium: urine - Time: end of shift - Parameter: 1-Methoxypropan-2-ol)
Gibraltar	OEL TWA (mg/m ³)	375 mg/m ³
Gibraltar	OEL TWA (ppm)	100 ppm
Gibraltar	OEL STEL (mg/m ³)	568 mg/m ³
Gibraltar	OEL STEL (ppm)	150 ppm
Greece	OEL TWA (mg/m ³)	360 mg/m ³
Greece	OEL TWA (ppm)	100 ppm
Greece	OEL STEL (mg/m ³)	1080 mg/m ³
Greece	OEL STEL (ppm)	300 ppm
Hungary	AK-érték	375 mg/m ³
Hungary	CK-érték	568 mg/m ³
Ireland	OEL (8 hours ref) (mg/m ³)	375 mg/m ³
Ireland	OEL (8 hours ref) (ppm)	100 ppm
Ireland	OEL (15 min ref) (mg/m ³)	568 mg/m ³
Ireland	OEL (15 min ref) (ppm)	150 ppm
Italy	OEL TWA (mg/m ³)	375 mg/m ³
Italy	OEL TWA (ppm)	100 ppm
Italy	OEL STEL (mg/m ³)	568 mg/m ³
Italy	OEL STEL (ppm)	150 ppm
Latvia	OEL TWA (mg/m ³)	375 mg/m ³
Latvia	OEL TWA (ppm)	100 ppm
Lithuania	IPRV (mg/m ³)	190 mg/m ³
Lithuania	IPRV (ppm)	50 ppm
Lithuania	TPRV (mg/m ³)	300 mg/m ³
Lithuania	TPRV (ppm)	75 ppm
Luxembourg	OEL TWA (mg/m ³)	375 mg/m ³
Luxembourg	OEL TWA (ppm)	100 ppm
Luxembourg	OEL STEL (mg/m ³)	568 mg/m ³
Luxembourg	OEL STEL (ppm)	150 ppm
Malta	OEL TWA (mg/m ³)	375 mg/m ³
Malta	OEL TWA (ppm)	100 ppm
Malta	OEL STEL (mg/m ³)	568 mg/m ³

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Propylene glycol monomethyl ether (107-98-2)		
Malta	OEL STEL (ppm)	150 ppm
Netherlands	Grenswaarde TGG 8H (mg/m ³)	375 mg/m ³
Netherlands	Grenswaarde TGG 15MIN (mg/m ³)	563 mg/m ³
Poland	NDS (mg/m ³)	180 mg/m ³
Poland	NDSch (mg/m ³)	360 mg/m ³
Portugal	OEL TWA (mg/m ³)	375 mg/m ³ (indicative limit value)
Portugal	OEL TWA (ppm)	100 ppm (indicative limit value)
Portugal	OEL STEL (mg/m ³)	568 mg/m ³ (indicative limit value)
Portugal	OEL STEL (ppm)	150 ppm (indicative limit value)
Romania	OEL TWA (mg/m ³)	375 mg/m ³
Romania	OEL TWA (ppm)	100 ppm
Romania	OEL STEL (mg/m ³)	568 mg/m ³
Romania	OEL STEL (ppm)	150 ppm
Slovakia	NPHV (priemerná) (mg/m ³)	375 mg/m ³
Slovakia	NPHV (priemerná) (ppm)	100 ppm
Slovakia	NPHV (Hraničná) (mg/m ³)	568 mg/m ³
Slovenia	OEL TWA (mg/m ³)	375 mg/m ³
Slovenia	OEL TWA (ppm)	100 ppm
Slovenia	OEL STEL (mg/m ³)	562.5 mg/m ³
Slovenia	OEL STEL (ppm)	150 ppm
Spain	VLA-ED (mg/m ³)	375 mg/m ³ (indicative limit value)
Spain	VLA-ED (ppm)	100 ppm (indicative limit value)
Spain	VLA-EC (mg/m ³)	568 mg/m ³
Spain	VLA-EC (ppm)	150 ppm
Sweden	nivågränsvärde (NVG) (mg/m ³)	190 mg/m ³
Sweden	nivågränsvärde (NVG) (ppm)	50 ppm
Sweden	kortidsvärde (KTV) (mg/m ³)	300 mg/m ³
Sweden	kortidsvärde (KTV) (ppm)	75 ppm
United Kingdom	WEL TWA (mg/m ³)	375 mg/m ³
United Kingdom	WEL TWA (ppm)	100 ppm
United Kingdom	WEL STEL (mg/m ³)	560 mg/m ³
United Kingdom	WEL STEL (ppm)	150 ppm
Norway	Gjennomsnittsverdier (AN) (mg/m ³)	180 mg/m ³
Norway	Gjennomsnittsverdier (AN) (ppm)	50 ppm
Norway	Gjennomsnittsverdier (Kortidsverdi) (mg/m ³)	225 mg/m ³
Norway	Gjennomsnittsverdier (Kortidsverdi) (ppm)	75 ppm
Switzerland	VME (mg/m ³)	360 mg/m ³
Switzerland	VME (ppm)	100 ppm
Switzerland	VLE (mg/m ³)	720 mg/m ³
Switzerland	VLE (ppm)	200 ppm
Australia	TWA (mg/m ³)	369 mg/m ³
Australia	TWA (ppm)	100 ppm
Australia	STEL (mg/m ³)	553 mg/m ³
Australia	STEL (ppm)	150 ppm
Dipropylene glycol monomethyl ether (34590-94-8)		
EU	IOELV TWA (mg/m ³)	308 mg/m ³
EU	IOELV TWA (ppm)	50 ppm
Austria	MAK (mg/m ³)	307 mg/m ³ (mixed isomers)
Austria	MAK (ppm)	50 ppm (mixed isomers)
Austria	MAK Short time value (mg/m ³)	614 mg/m ³ (isomers mixtures)
Austria	MAK Short time value (ppm)	100 ppm (isomers mixtures)
Belgium	Limit value (mg/m ³)	308 mg/m ³
Belgium	Limit value (ppm)	50 ppm
Bulgaria	OEL TWA (mg/m ³)	308.0 mg/m ³

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Dipropylene glycol monomethyl ether (34590-94-8)		
Bulgaria	OEL TWA (ppm)	50 ppm
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	308 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	50 ppm
Cyprus	OEL TWA (mg/m ³)	308 mg/m ³
Cyprus	OEL TWA (ppm)	50 ppm
Czech Republic	Expoziční limity (PEL) (mg/m ³)	270 mg/m ³
Denmark	Grænseværdie (langvarig) (mg/m ³)	309 mg/m ³
Denmark	Grænseværdie (langvarig) (ppm)	50 ppm
Estonia	OEL TWA (mg/m ³)	308 mg/m ³
Estonia	OEL TWA (ppm)	50 ppm
Finland	HTP-arvo (8h) (mg/m ³)	310 mg/m ³
Finland	HTP-arvo (8h) (ppm)	50 ppm
France	VME (mg/m ³)	308 mg/m ³ (restrictive limit)
France	VME (ppm)	50 ppm (restrictive limit)
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	310 mg/m ³ (isomer mixture)
Germany	TRGS 900 Occupational exposure limit value (ppm)	50 ppm (isomer mixture)
Gibraltar	OEL TWA (mg/m ³)	308 mg/m ³
Gibraltar	OEL TWA (ppm)	50 ppm
Greece	OEL TWA (mg/m ³)	600 mg/m ³
Greece	OEL TWA (ppm)	100 ppm
Greece	OEL STEL (mg/m ³)	900 mg/m ³
Greece	OEL STEL (ppm)	150 ppm
Hungary	AK-érték	308 mg/m ³
Hungary	CK-érték	308 mg/m ³
Ireland	OEL (8 hours ref) (mg/m ³)	308 mg/m ³
Ireland	OEL (8 hours ref) (ppm)	50 ppm
Italy	OEL TWA (mg/m ³)	308 mg/m ³
Italy	OEL TWA (ppm)	50 ppm
Latvia	OEL TWA (mg/m ³)	308 mg/m ³
Latvia	OEL TWA (ppm)	50 ppm
Lithuania	IPRV (mg/m ³)	300 mg/m ³
Lithuania	IPRV (ppm)	50 ppm
Lithuania	TPRV (mg/m ³)	450 mg/m ³
Lithuania	TPRV (ppm)	75 ppm
Malta	OEL TWA (mg/m ³)	308 mg/m ³
Malta	OEL TWA (ppm)	50 ppm
Netherlands	Grenswaarde TGG 8H (mg/m ³)	300 mg/m ³
Poland	NDS (mg/m ³)	240 mg/m ³
Poland	NDSCh (mg/m ³)	480 mg/m ³
Portugal	OEL TWA (mg/m ³)	308 mg/m ³ (indicative limit value)
Portugal	OEL TWA (ppm)	50 ppm (indicative limit value)
Portugal	OEL STEL (ppm)	150 ppm
Romania	OEL TWA (mg/m ³)	300 mg/m ³ (regulated under Dipropylene glycol monomethyl ether)
Romania	OEL TWA (ppm)	18 ppm (regulated under Dipropylene glycol monomethyl ether)
Slovakia	NPHV (priemerná) (mg/m ³)	308 mg/m ³
Slovakia	NPHV (priemerná) (ppm)	50 ppm
Slovakia	NPHV (Hraničná) (mg/m ³)	568 mg/m ³
Slovenia	OEL TWA (mg/m ³)	308 mg/m ³
Slovenia	OEL TWA (ppm)	50 ppm
Spain	VLA-ED (mg/m ³)	308 mg/m ³ (indicative limit value)
Spain	VLA-ED (ppm)	50 ppm (indicative limit value)

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Dipropylene glycol monomethyl ether (34590-94-8)		
Sweden	nivågränsvärde (NVG) (mg/m ³)	300 mg/m ³
Sweden	nivågränsvärde (NVG) (ppm)	50 ppm
Sweden	kortidsvärde (KTV) (mg/m ³)	450 mg/m ³
Sweden	kortidsvärde (KTV) (ppm)	75 ppm
United Kingdom	WEL TWA (mg/m ³)	308 mg/m ³
United Kingdom	WEL TWA (ppm)	50 ppm
United Kingdom	WEL STEL (mg/m ³)	924 mg/m ³ (calculated)
United Kingdom	WEL STEL (ppm)	150 ppm (calculated)
Norway	Gjennomsnittsverdier (AN) (mg/m ³)	300 mg/m ³
Norway	Gjennomsnittsverdier (AN) (ppm)	50 ppm
Norway	Gjennomsnittsverdier (Kortidsverdi) (mg/m ³)	375 mg/m ³
Norway	Gjennomsnittsverdier (Kortidsverdi) (ppm)	75 ppm
Switzerland	VME (mg/m ³)	300 mg/m ³
Switzerland	VME (ppm)	50 ppm
Switzerland	VLE (mg/m ³)	300 mg/m ³
Switzerland	VLE (ppm)	50 ppm
Australia	TWA (mg/m ³)	308 mg/m ³
Australia	TWA (ppm)	50 ppm

Carbon dioxide (124-38-9)		
EU	IOELV TWA (mg/m ³)	9000 mg/m ³
EU	IOELV TWA (ppm)	5000 ppm
Austria	MAK (mg/m ³)	9000 mg/m ³
Austria	MAK (ppm)	5000 ppm
Austria	MAK Short time value (mg/m ³)	18000 mg/m ³
Austria	MAK Short time value (ppm)	10000 ppm
Belgium	Limit value (mg/m ³)	9131 mg/m ³
Belgium	Limit value (ppm)	5000 ppm
Belgium	Short time value (mg/m ³)	54784 mg/m ³
Belgium	Short time value (ppm)	30000 ppm
Bulgaria	OEL TWA (mg/m ³)	9000 mg/m ³
Bulgaria	OEL TWA (ppm)	5000 ppm
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	9000 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	5000 ppm
Cyprus	OEL TWA (mg/m ³)	9000 mg/m ³
Cyprus	OEL TWA (ppm)	5000 ppm
Czech Republic	Expoziční limity (PEL) (mg/m ³)	9000 mg/m ³
Denmark	Grænseværdie (langvarig) (mg/m ³)	9000 mg/m ³
Denmark	Grænseværdie (langvarig) (ppm)	5000 ppm
Estonia	OEL TWA (mg/m ³)	9000 mg/m ³
Estonia	OEL TWA (ppm)	5000 ppm
Finland	HTP-arvo (8h) (mg/m ³)	9100 mg/m ³
Finland	HTP-arvo (8h) (ppm)	5000 ppm
France	VME (mg/m ³)	9000 mg/m ³ (indicative limit)
France	VME (ppm)	5000 ppm (indicative limit)
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	9100 mg/m ³
Germany	TRGS 900 Occupational exposure limit value (ppm)	5000 ppm
Gibraltar	OEL TWA (mg/m ³)	9000 mg/m ³
Gibraltar	OEL TWA (ppm)	5000 ppm
Greece	OEL TWA (mg/m ³)	9000 mg/m ³
Greece	OEL TWA (ppm)	5000 ppm
Greece	OEL STEL (mg/m ³)	54000 mg/m ³
Greece	OEL STEL (ppm)	5000 ppm
Hungary	AK-érték	9000 mg/m ³
Ireland	OEL (8 hours ref) (mg/m ³)	9000 mg/m ³

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Carbon dioxide (124-38-9)		
Ireland	OEL (8 hours ref) (ppm)	5000 ppm
Italy	OEL TWA (mg/m ³)	9000 mg/m ³
Italy	OEL TWA (ppm)	5000 ppm
Latvia	OEL TWA (mg/m ³)	9000 mg/m ³
Latvia	OEL TWA (ppm)	5000 ppm
Lithuania	IPRV (mg/m ³)	9000 mg/m ³ (Carbon dioxide is often regarded as an indicator of the work rooms, where air pollution is due to human presence there)
Lithuania	IPRV (ppm)	5000 ppm (Carbon dioxide is often regarded as an indicator of the work rooms, where air pollution is due to human presence there)
Luxembourg	OEL TWA (mg/m ³)	9000 mg/m ³
Luxembourg	OEL TWA (ppm)	5000 ppm
Malta	OEL TWA (mg/m ³)	9000 mg/m ³
Malta	OEL TWA (ppm)	5000 ppm
Netherlands	Grenswaarde TGG 8H (mg/m ³)	9000 mg/m ³
Poland	NDS (mg/m ³)	9000 mg/m ³ (except underground coal mining)
Poland	NDSch (mg/m ³)	27000 mg/m ³ (except underground coal mining)
Portugal	OEL TWA (mg/m ³)	9000 mg/m ³ (indicative limit value)
Portugal	OEL TWA (ppm)	5000 ppm (indicative limit value)
Portugal	OEL STEL (ppm)	30000 ppm
Romania	OEL TWA (mg/m ³)	9000 mg/m ³
Romania	OEL TWA (ppm)	5000 ppm
Romania	OEL STEL (mg/m ³)	30 mg/m ³
Romania	OEL STEL (ppm)	26 ppm
Slovakia	NPHV (priemerná) (mg/m ³)	9000 mg/m ³
Slovakia	NPHV (priemerná) (ppm)	5000 ppm
Slovenia	OEL TWA (mg/m ³)	9000 mg/m ³
Slovenia	OEL TWA (ppm)	5000 ppm
Spain	VLA-ED (mg/m ³)	9150 mg/m ³ (indicative limit value)
Spain	VLA-ED (ppm)	5000 ppm (indicative limit value)
Sweden	nivågränsvärde (NVG) (mg/m ³)	9000 mg/m ³
Sweden	nivågränsvärde (NVG) (ppm)	5000 ppm
Sweden	kortidsvärde (KTV) (mg/m ³)	18000 mg/m ³
Sweden	kortidsvärde (KTV) (ppm)	10000 ppm
United Kingdom	WEL TWA (mg/m ³)	9150 mg/m ³
United Kingdom	WEL TWA (ppm)	5000 ppm
United Kingdom	WEL STEL (mg/m ³)	27400 mg/m ³
United Kingdom	WEL STEL (ppm)	15000 ppm
Norway	Gjennomsnittsverdier (AN) (mg/m ³)	9000 mg/m ³
Norway	Gjennomsnittsverdier (AN) (ppm)	5000 ppm
Norway	Gjennomsnittsverdier (Korttidsverdi) (mg/m ³)	9000 mg/m ³
Norway	Gjennomsnittsverdier (Korttidsverdi) (ppm)	5000 ppm
Switzerland	VME (mg/m ³)	9000 mg/m ³
Switzerland	VME (ppm)	5000 ppm
Australia	TWA (mg/m ³)	22500 mg/m ³
Australia	TWA (ppm)	12500 ppm
Australia	STEL (mg/m ³)	54000 mg/m ³
Australia	STEL (ppm)	30000 ppm

8.2. Exposure controls

Appropriate engineering controls

: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the recommended exposure limits.

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Personal protective equipment : Avoid all unnecessary exposure. For certain operations, additional Personal Protection Equipment (PPE) may be required. Personal protective equipment should be selected based upon the conditions under which this product is handled or used. Protective goggles. Protective clothing. Gloves.



Hand protection : Wear protective gloves. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Eye protection : Chemical goggles or safety glasses.

Skin and body protection : Wear suitable protective clothing. Wear protective shoes.

Respiratory protection : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. In fine dispersion/spraying/misting: In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental exposure controls : Avoid release to the environment.

Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Aerosol. Liquid under pressure.
Colour : Light amber.
Odour : Slight.
Odour threshold : No data available
pH : 7 - 8.2
Relative evaporation rate (butyl acetate=1) : No data available
Melting point : No data available
Freezing point : No data available
Boiling point : > 37.7 °C (>100 °F)
Flash point : > 100 °C (> 212 °F)
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : No data available
Vapour pressure : No data available
Relative vapour density at 20 °C : No data available
Relative density : No data available
Density : 1.012 Specific gravity (water = 1)
Solubility : No data available
Log Pow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : No data available
Volatiles : 97%

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

The product is stable at normal handling and storage conditions. Exposure to heat may cause bursting.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Direct sunlight. Open flame.

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Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C (122 °F) . Do not pierce or burn, even after use.

10.5. Incompatible materials

Strong acids. Strong bases. Oxidizing agent.

10.6. Hazardous decomposition products

Thermal combustion may release carbon monoxide and dioxide. Nitrogen oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Stain Extinguisher	
LD50 oral rat	> 5000 mg/kg

Propylene glycol monomethyl ether (107-98-2)	
LD50 oral rat	5200 mg/kg
LD50 dermal rabbit	13 g/kg
LC50 inhalation rat (mg/l)	54.6 mg/l/4h

Dipropylene glycol monomethyl ether (34590-94-8)	
LD50 oral rat	5230 mg/kg
LD50 dermal rabbit	9500 mg/kg

Skin corrosion/irritation	: Not classified Based on available data, the classification criteria are not met. pH: 7 - 8.2
Serious eye damage/irritation	: Not classified Based on available data, the classification criteria are not met. pH: 7 - 8.2
Respiratory or skin sensitisation	: Not classified Based on available data, the classification criteria are not met.
Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met.
Carcinogenicity	: Not classified Based on available data, the classification criteria are not met.
Reproductive toxicity	: Not classified Based on available data, the classification criteria are not met.
Specific target organ toxicity (single exposure)	: Not classified Based on available data, the classification criteria are not met.
Specific target organ toxicity (repeated exposure)	: Not classified Based on available data, the classification criteria are not met.
Aspiration hazard	: Not classified Based on available data, the classification criteria are not met.
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Propylene glycol monomethyl ether (107-98-2)	
LC50 fishes 1	20.8 g/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	23300 mg/l (Exposure time: 48 h - Species: Daphnia magna)

Dipropylene glycol monomethyl ether (34590-94-8)	
LC50 fishes 1	> 10000 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	1919 mg/l (Exposure time: 48 h - Species: Daphnia magna)

12.2. Persistence and degradability

Stain Extinguisher	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Stain Extinguisher	
Bioaccumulative potential	Not established.

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Propylene glycol monomethyl ether (107-98-2)	
BCF fish 1	< 2
Log Pow	-0.437

Dipropylene glycol monomethyl ether (34590-94-8)	
Log Pow	-0.064 (at 20 °C)

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

: Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Ensure all national/local regulations are observed. Container under pressure. Do not drill or burn even after use.

Additional information : Do not re-use empty containers. It is the responsibility of the user to determine if disposal material is hazardous according to federal, state and local regulations.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. : 1950

14.2. UN proper shipping name

Proper Shipping Name (ADR) : AEROSOLS
Aerosols non-flammable, (each not exceeding 1 L capacity), 2.2

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 2.2

Hazard labels (ADR) : 2.2



IMDG

Transport hazard class(es) (IMDG) : 2.2

Danger labels (IMDG) : 2.2



14.4. Packing group

Packing group : No additional information available
Packaging Instructions Y203, Limited Quantity

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

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14.6. Special precautions for user

14.6.1. Overland transport

Classification code (ADR)	: 5A
Special provisions (ADR)	: 190, 327, 344, 625
Limited quantities (ADR)	: 1L
Excepted quantities (ADR)	: E0
Packing instructions (ADR)	: P207, LP02
Special packing provisions (ADR)	: PP87, RR6, L2
Mixed packing provisions (ADR)	: MP9
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V14
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV9, CV12
Tunnel restriction code (ADR)	: E

14.6.2. Transport by sea

Special provisions (IMDG)	: 63, 190, 277, 327, 344, 959
Limited quantities (IMDG)	: SP277
Excepted quantities (IMDG)	: E0
Packing instructions (IMDG)	: P207, LP02
Special packing provisions (IMDG)	: PP87, L2
Stowage category (IMDG)	: None
Stowage and segregation (IMDG)	: Protected from sources of heat. For AEROSOLS with a maximum capacity of 1 litre: Category A. Segregation as for class 9 but 'Separated from' class 1 except division 1.4..For AEROSOLS with a capacity above 1 litre: Category B. Segregation as for the appropriate sub-division of class 2.?For WASTE AEROSOLS: Category C. Clear of living quarters. Segregation as for the appropriate sub-division of class 2.
MFAG-No	: 126

Note: See IMDG Code 3.4

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Not subjected to ADN : No additional information available

14.6.5. Rail transport

Classification code (RID)	: 5F
Carriage prohibited (RID)	: No additional information available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	Propylene glycol monomethyl ether
40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	Propylene glycol monomethyl ether

Contains no REACH candidate substance

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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SECTION 16: Other information

Full text of R-, H- and EUH-phrases:

Compressed gas	Gases under pressure : Compressed gas
Flam. Liq. 3	Flammable liquids Category 3
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H226	Flammable liquid and vapour
H280	Contains gas under pressure; may explode if heated
H336	May cause drowsiness or dizziness
R10	Flammable
R67	Vapours may cause drowsiness and dizziness

SDS EU (REACH Annex II)

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